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#@###9###0#0####@###[]#####[]#####3##[]##Böm###·#ÿÿ#####ÿÿ#####ÿÿ#ÿÿd#####d##
#####i###As it is important to maintain a standard and consistent message, I
have included notations to cite those areas which convey information that
represent departures from what other DoD briefings have provided to this point.
See slides 13 and 14. NOTE: This briefing does not speak to NEW/recent
studies.--LtCol Ken Hall ANG/SGPM, DSN 278-7601, hallk@ang.af.mil#

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'ÿÿÿ####ÿÿ#####ÿ#ÿÿd#####0#######Y###This briefing recently
presented to AF/SG by an Internal Medicine Physician from USAMRIIDe

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ì#ÿÿ####ÿÿ####ÿ#ÿÿd#####>_4###Disease of antiquity1876 -
First disease for which a microbial etiology was established (Koch)Unimicrobial
theory of infectionKoch's Postulates1881 - Attenuated spore vaccine (Pasteur)

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ú°#|üÿÿ\$###ÿÿ#####ÿ|ÿÿd#####Z#####Bacillus anthracis

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ìÿÿ####ÿÿ####ÿüÿÿd#####Z#####Non-motile spore forming gram-
positive bacillusVirulence factors :Polyglutamic acid capsuleToxin Protective
antigenEdema factorLethal factor

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###Edema Factor

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#####(EF)

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###Adenylate

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####Cyclaseÿ

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(Rabbits, Guinea Pigs)

#####ÿÿd#####1## #î#
#ÿÿ#####ÿÿd##### Lethality

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#ÿÿ#####ÿÿd#####d#####Macrophage Lysis

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#####ÿ#ÿÿd#####r##|  
ú#üÿ#####ÿ#ÿÿ#####Z#####-###Anthrax Toxin  
Components#Activities, Properties, Nomenclatureû
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###Epidemiology

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i#ÿÿ####ÿÿ#####ÿü#ÿÿd#####Z#####ÿ###Reservoir: SoilHerbivores
infected during grazingTransmission to humansContact with infected animals,
hides, hair, wool, bone, bone products; biting fliesIngestion of contaminated
meatInhalation-industrial settings#

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###Pathogenesis

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ùPüàûÿÿ####ÿÿ#####ÿÿÿd#####d#####CUTANEOUS ANTHRAX#

#####ÿ#ÿd#####1##DöpüD
ü0ÿÿ####ÿ#ÿd#####A. Necrotic lesion#

#####ÿ#ÿÿd#####d#####1##DöýÛ
üPpÿÿ####ÿÿ####ÿ#ÿÿd#####d#####B. Malignant edemaÿ

#####ÿ#ÿd#####d#####3##èp
ûÂ#àûÿ#####ÿ#ÿd#####d#####INHALATION ANTHRAX

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 Åÿÿ####ÿÿ####ÿ#ÿÿd#####d#####2###Pulmonary edema without
necrotic lesion

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#####ÿ#ÿÿd#####d#####1##÷à##
pà#ÿÿ####ÿÿ####ÿ#ÿÿd#####d#####F###A. Necrotic lesion with
mucosal edemaB. Massive effusion

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üĐÿ©#P#ÿÿ####ÿÿ####ÿÿd#####d#####&###Regional hemorrhagic
LYMPHADENITIS

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à#ÿÿ####ÿÿ####ÿ#ÿÿd#####d#####.###Toxic
NontoxicDeath

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ú°#üyy\$###yy####y#yyd#####Z#####Clinical Manifestations#

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ìÿÿ####ÿÿ####ÿüÿÿd#####Z##### ###Cutaneous, inhalation,
gastrointestinalInhalationIncubation period 1-7 daysInitial symptoms mild and
non-specificFollowed by abrupt onset of dyspnea, tachycardia and stridorRapid
progression to cyanosis, shock and deathWidened mediastinum may be seen on x-
ray#

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ú°#üÿÿ\$###ÿÿ#####ÿÿd#####Z#####Inhalation Anthrax-Case Historyn

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ÿ#ÿÿ#####ÿ#ÿÿd#####ÿ#####Î###51 yo woman in good health
worked as secretary in wool millDay 0: Visited carding roomDay 1: Weakness,
chills, nonproductive cough, dull substernal chest pain-Dx ÿviral illnessÿDay 2:
Hospitalized with myalgias, abdominal pain. T = 102, bilat wheezes. WBC 13,100
CXR : Obliterated L hemidiaphragm, and CP angle, moderate prominence of hilum.
Cyanosis develops.Day 3: Shock and deathAutopsy: hemorrhagic mediastinitis,
pleural effusions, splenitis

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ìÿÿ####ÿÿ####ÿüÿÿd#####Z#####Diagnostic studiesGram stain
CultureTherapyHigh dose penicillin is drug of choiceRole of fluoroquinolones
Debridement of cutaneous lesions contraindicated

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organism -Penicillin, 2 million units I.V. every 2 hoursIf penicillin-resistant
organism -Ciprofloxacin, 400 mg I.V. every 8-12 hours ORDoxycycline, 200 mg
I.V., then 100 mg I.V. every 12 hours#

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ì#ÿÿ####ÿÿ####ÿü#ÿÿd#####Z#####f###Live attenuated spore vaccines
Agricultural useHuman use-former USSRCulture filtrate vaccine (PA)Candidate
vaccines:Recombinant PAB. subtilis cloned c PA geneg

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#####r##|ú°#üÿÿ\$###ÿÿ#####ÿ#ÿÿd#####Z#####PA Toxoid: Side
Effects#

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##ÿÿ#####ÿÿd#####Up to 6% (30%, per pkg insert)(keh)
develop mild local discomfort (tenderness, redness, swelling, or itching) for up
to 72 hrs.Approx 10% will develop nodular lesion which will resolve
spontaneously in < 2 weeks.Less than 1% will have more severe local reactions
potentially limiting use of arm for 1-2 days.Systemic reactions uncommon;
anaphylaxis not reportedNo long-term sequelae demonstrated#

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ú°#□üÿÿ\$###ÿÿ#####ÿ□#ÿÿd#####Z#####G###Postexposure Prophylaxis-Primate

Model #(J Infect Dis 1993;167:1239-42)#

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 ì#ÿÿ####ÿÿ####ÿ#ÿÿd#####±###Day 0: Exposed to 10 LD 50sDay
1: Postexposure prophylaxisControlVaccineAntibiotic x 30 daysAntibiotic
(doxycyxline) x 30 days + VaccineDay 131-142: Re-challenge survivors#

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ì#ÿÿ####ÿÿ#####ÿ#ÿÿd#####Treatment Group

SurvivorsControl 1/10Vaccine

2/10Penicillin 7/10Ciprofloxacin

8/9Doxycycline 9/10Doxycycline + vaccine

10/10

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ì#ÿÿ####ÿÿ####ÿ#ÿÿd#####Rhesus monkeys immunized at 0
and 2 weeks challenged 2 years later c 330 LD 50s: 7/ 8 protectedExposed at 8
weeks to 437 LD 50s: 10/10 protected#

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ú°#□üÿÿ\$###ÿÿ#####ÿ□#ÿÿd#####Z#####Postexposure prophylaxis

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h#yy####yy####y#ydd#####'###Immunized with one dose,
challenged with 93 LD 50s at six weeks; 10/10 protectedIn other studies, 2 doses
of vaccine have protected monkeys and rabbits against aerosol challenges
-multiple LD 50sAnimal models: monkeys and rabbits better model for human
disease than guinea pigs, mice, hamstersy

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ì#ÿÿ####ÿÿ####ÿ#ÿÿd#####Pre-Exposure: VaccinePost-
exposure: Vaccine + ChemoprophylaxisImmunized: Ciprofloxacin 500 mg po BID or
doxycycline 100mg po BID X 4 weeks Unimmunized: Ciprofloxacin 500 mg po BID or
doxycycline 100mg po BID X > 4 weeks until 3 doses of vaccine have been
recieved

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ì#ÿÿ####ÿÿ#####ÿ#ÿÿd#####As of 2 Feb 9958,285 USAF
personnel started series174,697 doses of Anthrax Vaccine administered98%
compliance rate with FDA vaccination schedule#

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0 1 1192 1014/pp_save save def /showpage {} def 40 dict begin
/pp_clip false def /pp_bbox false def /F { pop } def /S {} def /B
{ { /pp_dyl exch def /pp_dx1 exch def /pp_dy2 exch def /pp_dx2
exch def } stopped not { /pp_bbox true def } if } def /CB
{ { /pp_cy exch def /pp_cx exch def /pp_cht exch def /pp_cwd
exch def } stopped not { /pp_clip true def } if } def
/pp_bx1 69 def /pp_by1 203 def /pp_bx2 567 def /pp_by2 625 def
#####&#####ü#####-### #####ü#####ÿp#"#####-
#####ö#`#####'ÿ#####&#####ü#####&#%#1#ë#pp_clip { pp_cx
pp_cy moveto pp_cwd 0 rlineto 0 pp_cht rlineto pp_cwd neg 0 rlineto
clip newpath } if pp_bbox { /pp_dy2 pp_dy2 pp_dyl add def
/pp_dx2 pp_dx2 pp_dx1 add def /pp_sx pp_dx2 pp_dx1 sub pp_bx2
pp_bx1 sub div def /pp_sy pp_dy2 pp_dyl sub pp_by1 pp_by2 sub div def
/pp_tx pp_dx1 pp_sx pp_bx1 mul sub def /pp_ty pp_dyl pp_sy pp_by2 mul sub
def pp_tx pp_ty translate pp_sx pp_sy scale } if end#####&#%## #
%!PS-Adobe-3.0 EPSF-3.0%Creator: Adobe Illustrator(TM) 3.2.2%For: (Stacey)
(Visual Information)%Title: (NEW PATCH COLOR C Mac)%CreationDate: (6/29/94)
(1:38 PM)%BoundingBox: 69 203 567 625%DocumentProcessColors: Magenta Yellow
Black%DocumentFonts: Times-Bold%DocumentSuppliedResources: procset
Adobe_packedarray 2.0 0%+ procset Adobe_cmykcolor 1.1 0%+ procset Adobe_cshow
1.1 0%+ procset Adobe_customcolor 1.0 0%+ procset Adobe_typography_AI3 1.0 1%
+ procset Adobe_IllustratorA_AI3 1.0 1%AI3_ColorUsage: Color%AI3_TemplateBox:
191.5 269 420.5 523%AI3_TemplateFile: MEDMACPC::484264:Rsrch/Sldr PICT
%AI3_TileBox: -534 804 18 1534%AI3_DocumentPreview: Macintosh_ColorPic%
%EndComments%%BeginProlog%%BeginResource: procset Adobe_packedarray 2.0 0%
%Title: (Packed Array Operators)%Version: 2.0 %CreationDate: (8/2/90) (%)
%Copyright: ((C) 1987-1990 Adobe Systems Incorporated All Rights Reserved)
userdict /Adobe_packedarray 5 dict dup begin put/initialize % -
initialize -{/packedarray where { pop } { Adobe_packedarray
begin Adobe_packedarray { dup xcheck {
bind } if userdict 3 1 roll put } forall end
} ifelse} def/terminate % - terminate -{ } def/packedarray
% arguments count packedarray array{array astore readonly} def/setpacking
% boolean setpacking -{pop} def/currentpacking % -
setpacking boolean{false} defcurrentdict readonly pop end%%EndResource
Adobe_packedarray /initialize get exec%%BeginResource: procset Adobe_cmykcolor
1.1 0%Title: (CMYK Color Operators)%Version: 1.1 %CreationDate: (1/23/89) (%)
%Copyright: ((C) 1987-1990 Adobe Systems Incorporated All Rights Reserved)
currentpacking true setpackinguserdict /Adobe_cmykcolor 4 dict dup begin
put/initialize % - initialize -{/setcmykcolor where { pop
} { userdict /Adobe_cmykcolor_vars 2 dict dup begin put
/_setrgbcolor /setrgbcolor load def /_currentrgbcolor
/_currentrgbcolor load def Adobe_cmykcolor begin Adobe_cmykcolor
{ dup xcheck { bind }
if pop pop } forall end end Adobe_cmykcolor begin }
ifelse} def/terminate % - terminate -{currentdict Adobe_cmykcolor
eq { end } if} def/setcmykcolor % cyan magenta yellow black
setcmykcolor -{1 sub 4 1 roll3 { 3 index add neg dup 0 lt {
pop 0 } if 3 1 roll } repeatAdobe_cmykcolor_vars
/_setrgbcolor get execpop} def /currentcmykcolor % - currentcmykcolor cyan
magenta yellow black{Adobe_cmykcolor_vars /_currentrgbcolor get exec3 { 1
sub neg 3 1 roll } repeat0} defcurrentdict readonly pop endsetpacking%
%EndResource%%BeginResource: procset Adobe_cshow 1.1 0%Title: (cshow Operator)%
%Version: 1.1 %CreationDate: (1/23/89) (%)%Copyright: ((C) 1987-1990 Adobe
Systems Incorporated All Rights Reserved)currentpacking true setpacking
userdict /Adobe_cshow 3 dict dup begin put/initialize % - initialize
-{/cshow where { pop } { userdict /Adobe_cshow_vars 1 dict dup
begin put /_cshow % - _cshow proc {} def Adobe_cshow
begin Adobe_cshow { dup xcheck {
bind } if userdict 3 1 roll put } forall end
end } ifelse} def/terminate % - terminate -{ } def/cshow

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% proc string cshow -{exchAdobe_cshow_vars      exch /_cshow
exch put      {      0 0 Adobe_cshow_vars /_cshow get exec      } forall} def
currentdict readonly pop endsetpacking%%EndResource%%BeginResource: procset
Adobe_customcolor 1.0 0%%Title: (Custom Color Operators)%%Version: 1.0 %
%CreationDate: (5/9/88) (%)%Copyright: ((C) 1987-1990 Adobe Systems Incorporated
All Rights Reserved)currentpacking true setpackinguserdict /Adobe_customcolor 5
dict dup begin put/initialize      % - initialize -{/setcustomcolor where
{      pop      } {      Adobe_customcolor begin Adobe_customcolor      {
dup xcheck      {      bind      } if
pop pop      } forall      end      Adobe_customcolor begin } ifelse}
def/terminate      % - terminate -{currentdict Adobe_customcolor eq
{      end      } if} def/findcmkcustomcolor% cyan magenta yellow black name
findcmkcustomcolor object{5 packedarray} def/setcustomcolor      % object
tint setcustomcolor -{exchaload pop pop4 {      4 index mul 4 1 roll      } repeat5
-1 roll popsetcmkcolor} def/setoverprint      % boolean setoverprint -{pop}
defcurrentdict readonly pop endsetpacking%%EndResource%%BeginResource: procset
Adobe_typography_AI3 1.1 0%%Title: (Typography Operators)%%Version: 1.0 %
%CreationDate:(5/31/90) (%)%Copyright: ((C) 1987-1990 Adobe Systems Incorporated
All Rights Reserved)currentpacking true setpackinguserdict /Adobe_typography_AI3
47 dict dup begin put/initialize      % - initialize -{/TZ where      {
pop      } {      Adobe_typography_AI3 begin      Adobe_typography_AI3
{      dup xcheck      {      bind      }
if      pop pop      } forall      end      Adobe_typography_AI3 begin      }
ifelse} def/terminate      % - terminate -{currentdict
Adobe_typography_AI3 eq {      end      } if} def% [ number value stream [ array for
encoding modification ] modifyEncoding ==> [ modified array ]/modifyEncoding{
/_tempEncode exch ddef      % pointer for sequential encodings /_pntr 0
ddef      {      % get bottom object      counttomark -1 roll
% is it a mark ?      dup type dup /marktype eq      {
% exit      pop pop exit      }      {
% ... object ... type ....      % insert if a
nametype      /nametype eq      {      %
insert the name at _pntr and increment pointer      _tempEncode
/_pntr dup load dup 3 1 roll 1 add ddef 3 -1 roll      put
}      {      % reset _pntr if it's a
number      /_pntr exch ddef
}      ifelse      }      ifelse      }
loop      % return the modified encoding      _tempEncode}def/TE
% Set std platform encoding      % (encoding pairs) TE -{
StandardEncoding 256 array copy modifyEncoding /_nativeEncoding exch def}
def% re-define font% expected arguments% for 'normal fonts : % [ /_Helvetica-
Bold/Helvetica-Bold direction fontScript defaultEncoding TZ% for cartographic,
pictographic, and expert fonts :% [ ... number value stream ... /_Symbol/Symbol
%      direction fontScript defaultEncoding TZ% for blended fonts w/ default
encoding :% [ /_AdobeSans_20Ulig1XCond-Bold/AdobeSans %      direction fontScript
defaultEncoding [ w0 w1 ... wn ] TZ% for blended fonts w/ special encoding :%
[ ... number value stream ... /_AdobeSans_20Ulig1XCond/AdobeSans %      direction
fontScript defaultEncoding [ w0 w1 ... wn ] TZ/TZ      {      % set weight
vector (if present)      dup type /arraytype eq {/_wv exch def} {/_wv 0 def}
ifelse      % platform dependent coding flag      /_useNativeEncoding exch def %
pop fontScript & direction      pop pop      % create a new dictionary with
length      % equal to original dictionary length + 2% copy all the key/value
pairs except FID % call makeblended font with the weight values if _wv is an
array findfont _wv type /arraytype eq {_wv makeblendedfont} if dup length 2 add
dict      begin      % copy all the values but the FID      % into
the new dictionary      mark exch      {      1 index /FID ne
{ def } if cleartomark mark      }      forall      % discard last
mark      pop      % define FontName      /FontName exch def
% if no re-encoding stream is present      % then if
the base encoding vector of the font      % is the same as
StandardEncoding      % and the use platform encoding flag is true      %
then install AI platform encoding      % else leave the base encoding in

```

```

effect          counttomark 0 eq          {          1 _useNativeEncoding
eq              {          /Encoding _nativeEncoding def
    }          if          % clean up          cleartomark
    }          {          % custom encoding to be done
    % start off with a copy of the font's standard encoding
    /Encoding load 256 array copy          modifyEncoding /Encoding
exch def        }          ifelse          FontName currentdict
end            % register the new font definefont pop}def% text painting
operators/tr    % string tr ax ay string {_ax _ay 3 2
roll} def/trj   % string trj cx cy fillchar ax ay string {
_cx _cy _sp _ax _ay 6 5 roll} def/a0{/Tx % text
    % textString Tx - {      dup      currentpoint 3 2 roll      tr _psf
    newpath moveto      tr _ctm _pss      } ddef/Tj % justified text
    % textString Tj - {      dup      currentpoint 3 2 roll      trj _pjsf
    newpath moveto      trj _ctm _pjss      } ddef      } def/a1{/Tx % text
    % textString Tx - {      dup
currentpoint 4 2 roll gsave #####&#%### # dup currentpoint 3 2 roll      tr _psf
    newpath moveto      tr _ctm _pss      grestore 3 1 roll moveto tr sp      }
ddef/Tj % justified text          % textString Tj - {      dup
currentpoint 4 2 roll gsave      dup currentpoint 3 2 roll      trj _pjsf      newpath
moveto      trj _ctm _pjss      grestore 3 1 roll moveto tr sp      } ddef      }
def/e0{/Tx % text          % textString Tx - {
    tr _psf      } ddef/Tj % justified text          % textString Tj
-      {      trj _pjsf      } ddef} def/el{/Tx % text
    % textString Tx - {      dup currentpoint 4 2 roll gsave      tr
_psfs      grestore 3 1 roll moveto tr sp      } ddef/Tj % justified text
    % textString Tj - {      dup currentpoint 4 2 roll gsave      trj
_pjsf grestore 3 1 roll moveto tr sp      } ddef} def/i0{/Tx % text
    % textString Tx - {      tr sp      } ddef/Tj %
justified text          % textString Tj - {      trj jsp      } ddef}
def/il{W N} def/o0{/Tx % text          %
textString Tx - {      tr sw rmoveto      } ddef/Tj % justified text
    % textString Tj - {      trj swj rmoveto      } ddef} def/r0{/Tx %
text          % textString Tx - {      tr _ctm _pss
    } ddef/Tj % justified text          %
    textString Tj - {      trj _ctm _pjss      } ddef} def/r1{/Tx % text
    % textString Tx - {      dup currentpoint 4 2
roll currentpoint gsave newpath moveto      tr _ctm _pss      grestore 3 1 roll
moveto tr sp      } ddef/Tj % justified text          % textString Tj
-      {      dup currentpoint 4 2 roll currentpoint gsave newpath moveto      trj
_ctm _pjss grestore 3 1 roll moveto tr sp      } ddef} def% font operators%
Binding/To % begin text          % bindType To -{ pop _ctm
currentmatrix pop} def/T0 % end text          % T0 -{ Te
_ctm setmatrix newpath} def% Text paths/TP % begin text path
    % a b c d tx ty startPt Tp -{ pop _tm astore pop _ctm setmatrix _tDict
begin /W {} def /h {} def} def/TP % end text path          %
TP -{ end iTm 0 0 moveto} def% Render mode & matrix operators/Tr % begin
render          % render Tr - { _render 3 le {currentpoint
newpath moveto} if      dup 8 eq {pop 0} {dup 9 eq {pop 1} if} ifelse dup
/_render exch ddef      _renderStart exch get load exec} def/iTm % internal set
text matrix          % - iTm - (uses _tm as implicit argument){_ctm setmatrix _tm
concat 0 _rise translate _hs 1 scale} def/Tm % set text matrix
    % a b c d tx ty Tm -{_tm astore pop iTm 0 0 moveto} def/Td % translate
text matrix          % tx ty Td -{_mtx translate _tm _tm concatmatrix pop iTm
0 0 moveto} def/Te % end render          % - Te -{
    _render -1 eq {} {_renderEnd _render get dup null ne {load exec} {pop}
ifelse} ifelse      /_render -1 ddef} def% Attributes/Ta % set alignment
    % alignment Ta -{pop} def/Tf % set font name and size
    % fontname size Tf -{dup 1000 div /_fScl exch ddefexch findfont exch
scalefont setfont} def/TL % set leading          % leading
paragraphLeading TL -{pop0 exch _leading astore pop} def/Tt % set user
tracking          % userTracking Tt -{pop} def/TW % set word spacing

```

```

% minSpace optSpace maxSpace TW -{3 npop} def/Tw %
set computed word spacing % wordSpace Tw{/ _cx exch ddef} def/TC % set
character spacing % minSpace optSpace maxSpace TC -{3 npop} def/Tc
% set computed char spacing % charSpace Tc -{/ _ax exch ddef} def/Ts %
set super/subscripting (rise) % rise Ts -{/ _rise exch ddefcurrentpointiTxmoveto}
def/Ti % set indentation % firstStartIndent
otherStartIndent stopIndent Ti -{3 npop} def/Tz % set horizontal scaling
% scalePercent Tz -{100 div / _hs exch ddefiTm} def/TA % set pairwise
kerning % autoKern TA -
% autoKern = 0 -> no pair kerning
% = 1 -> automatic pair kerning{pop}
def/Tq % set hanging quotes % hangingQuotes Tq -
% hangingQuotes = 0 -> no hanging
quotes %
% = 1 -> hanging quotes{pop} def% Text Bodies/TX {pop} def%/Tx %
non-justified text % textString Tx -%/Tj % justified text
% textString Tj -/Tk % kern
% autoKern kernValue Tk -
% autoKern = 0 -> manual kern, = 1 -> auto kern
% kernValue = kern value in em/1000
space{exch pop _fScl mul neg 0 rmoveto} def/TK % non-printing kern
% autoKern kernValue TK -{2 npop} def/T* % carriage return & line
feed % - T* -{_leading aload pop neg Td} def/T*- % carriage return & negative
line feed % - T*- -{_leading aload pop Td} def/T- % print a discretionary
hyphen % - T- -{_hyphen Tx} def/T+ % discretionary hyphen hyphen% - T+ -
{} def/TR % reset pattern matrix % a b c d tx ty TR -{_ctm
currentmatrix pop _tm astore pop iTm 0 0 moveto } def/TS % special chars
% textString justified TS -{0 eq {Tx} {Tj} ifelse}
defcurrentdict readonly pop endsetpacking%%EndResource%%BeginResource: procset
Adobe_IllustratorA_AI3 1.0 2%%Title: (Adobe Illustrator (R) Version 3.0
Abbreviated Prolog)%%Version: 1.0 %%CreationDate: (7/22/89) ( )%%Copyright: ((C)
1987-1990 Adobe Systems Incorporated All Rights Reserved)currentpacking true
setpackinguserdict /Adobe_IllustratorA_AI3 61 dict dup begin put% initialization
/initialize % - initialize -{% 47 vars, but leave slack of 10
entries for custom Postscript fragmentsuserdict /Adobe_IllustratorA_AI3_vars 57
dict dup begin put% paint operands/_lp /none def/_pf {} def/_ps {} def/_psf {}
def/_pss {} def/_pjsf {} def/_pjss {} def/_pola 0 def/_doClip 0 def% paint
operators/cf currentflat def % - cf flatness% typography operands/_tm
matrix def/_renderStart [/e0 /r0 /a0 /o0 /e1 /r1 /a1 /i0] def /_renderEnd [null
null null /i1 /i1 /i1 /i1] def/_render -1 def/_rise 0 def/_ax 0 def
% x character spacing (_ax, _ay, _cx, _cy follows awidthshow
naming convention)/_ay 0 def % y character spacing/_cx 0 def
% x word spacing/_cy 0 def % y word spacing/_leading
[0 0] def/_ctm matrix def/_mtx matrix def/_sp 16#020 def/_hyphen (-) def/_fScl 0
def/_cnt 0 def/_hs 1 def/_nativeEncoding 0 def/_useNativeEncoding 0
def/_tempEncode 0 def/_pntr 0 def/_tDict 2 dict def% typography operators/Tx {}
def/Tj {} def% compound path operators/CRender {} def% printing/_AI3_savepage {}
def% color operands/_gf null def/_cf 4 array def/_if null def/_of false def/_fc
{} def/_gs null def/_cs 4 array def/_is null def/_os false def/_sc {} def/_i
null defAdobe_IllustratorA_AI3 beginAdobe_IllustratorA_AI3 { dup xcheck
{ bind } if pop pop } forallendend
Adobe_IllustratorA_AI3 beginAdobe_IllustratorA_AI3_vars beginnewpath}
def/terminate % - terminate -{endend} def% definition
operators/_ % - _ nullnull def/ddef %
key value ddef -{Adobe_IllustratorA_AI3_vars 3 1 roll put} def/xput
% key value literal xput -{dup load dup length exch maxlength eq {
dup dup load dup length 2 mul dict copy def } ifload begin def end} def
/npop % integer npop -{ { pop } repeat} def% marking
operators/sw % ax ay string sw x y {dup length exch
stringwidthexch 5 -1 roll 3 index 1 sub mul add4 1 roll 3 1 roll 1 sub mul add}
def/swj % cx cy fillchar ax ay string swj x y{dup 4 1 roll
dup length exch stringwidth exch 5 -1 roll 3 index 1 sub mul add4 1 roll 3 1

```

```

roll 1 sub mul add 6 2 roll /_cnt 0 ddef{1 index eq {/_cnt _cnt 1 add ddef} if}
forall popexch _cnt mul exch _cnt mul 2 index add 4 1 roll 2 index add 4 1 roll
pop pop} def/ss % ax ay string matrix ss -{4 1 roll{
% matrix ax ay char 0 0 {proc} - 2 npop (0) exch
2 copy 0 exch put pop gsave false charpath currentpoint 4 index setmatrix
stroke grestore moveto 2 copy rmoveto } exch cshow3 npop}
def/jss % cx cy fillchar ax ay string matrix jss -{4 1
roll { % cx cy fillchar matrix ax ay char 0 0 {proc} -
2 npop (0) exch 2 copy 0 exch put gsave _sp eq {
exch 6 index 6 index 6 index 5 -1 roll widthshow currentpoint
} { false charpath currentpoint 4 index
setmatrix stroke }ifelse grestore moveto 2 copy rmoveto }
exch cshow6 npop} def% path operators/sp % ax ay string
sp -{ { 2 npop (0) exch 2 copy 0 exch put pop false charpath 2 copy
rmoveto } exch cshow2 npop} def/jsp % cx cy
fillchar ax ay string jsp -{ { % cx cy fillchar ax
ay char 0 0 {proc} - 2 npop (0) exch 2 copy 0 exch put _sp eq
{ ex#####&#%## # ch 5 index 5 index 5 index 5 -1 roll widthshow
} { false charpath }ifelse 2 copy
rmoveto } exch cshow5 npop} def% path construction operators/pl
% x y pl x y{transform0.25 sub round 0.25 add exch0.25 sub round
0.25 add exchitransform} def/setstrokeadjust where { pop true
setstrokeadjust /c % x1 y1 x2 y2 x3 y3 c - { curveto
} def /C /c load def /v % x2 y2 x3 y3 v - {
currentpoint 6 2 roll curveto} def /V /v load def /y
% x1 y1 x2 y2 y - { 2 copy curveto } def /Y /y load def /l
% x y l - { lineto } def /L /l load def /m
% x y m - { moveto } def } {%else /c {
pl curveto } def /C /c load def /v { currentpoint 6 2 roll pl
curveto } def /V /v load def /y { pl 2 copy curveto } def /Y /y
load def /l { pl lineto } def /L /l load def /m { pl moveto
} def }ifelse% graphic state operators/d % array
phase d -{setdash} def/cf {} def % - cf flatness/i
% flatness i -{dup 0 eq { pop cf } ifsetflat} def/j
% linejoin j -{setlinejoin} def/J
% linecap J -{setlinecap} def/M
miterlimit M -{setmiterlimit} def/w % linewidth w -{
setlinewidth} def% path painting operators/H % - H -{
def/h % - h -{closepath} def/N
% - N -{_pola 0 eq { _doClip 1 eq {clip /_doClip 0 ddef} if
newpath } { /CRender {N} ddef }ifelse} def/n
% - n -{N} def/F % - F -{_pola 0 eq {
_doClip 1 eq { gsave _pf grestore clip newpath
/_lp /none ddef _fc /_doClip 0 ddef } { _pf
}ifelse } { /CRender {F} ddef }ifelse} def/f
% - f -{closepathF} def/S % - S -{
_pola 0 eq { _doClip 1 eq { gsave _ps grestore clip
newpath /_lp /none ddef _sc /_doClip 0 ddef } {
_ps }ifelse } { /CRender {S} ddef }ifelse} def/s
% - s -{closepathS} def/B % -
B -{_pola 0 eq { _doClip 1 eq % F clears _doClip gsave F
grestore { gsave S grestore clip newpath /_lp /none ddef _sc
/_doClip 0 ddef } { S }ifelse
} { /CRender {B} ddef }ifelse} def/b % -
b -{closepathB} def/W % - W -{/_doClip 1 ddef} def/*
(stringtype) eq {pop} if } if _pola 0 eq {newpath} if} def% group operators
/u % - u -{ } def/U % - U -{
def/q % - q -{_pola 0 eq {gsave} if} def/Q
% - Q -{_pola 0 eq {grestore} if} def/*u
% - *u -{_pola 1 add /_pola exch ddef} def/*U
*U -{_pola 1 sub /_pola exch ddef _pola 0 eq {CRender} if} def/D

```

```

% polarized D -{pop} def/*w % - *w -{ } def
/*W % - *W -{ } def% place operators/`
% matrix llx lly urx ury string ` -{/ _i save ddef6 1 roll 4 npop
concat popuserdict begin/showpage
{ } def0 setgray0 setlinecap1 setlinewidth0 setlinejoin10 setmiterlimit[] 0
setdashnewpath0 setgrayfalse setoverprint} def/~ % -
~ -{end_i restore} def% color operators/0 % flag 0 -{0 ne
/_of exch ddef/_lp /none ddef} def/R % flag R -{0 ne
/_os exch ddef/_lp /none ddef} def/g % gray g -{/ _gf
exch ddef/_fc{ _lp /fill ne { _of setoverprint _gf setgray /_lp /fill ddef
} if} ddef/_pf{ _fcfill} ddef/_psf{ _fcashow} ddef/_pjsf{ _fcwidthshow} ddef
/_lp /none ddef} def/G % gray G -{/ _gs exch ddef/_sc{
_lp /stroke ne { _os setoverprint _gs setgray /_lp /stroke ddef } if}
ddef/_ps{ _scstroke} ddef/_pss{ _scss} ddef/_pjss{ _scjss} ddef/_lp /none ddef} def
/k % cyan magenta yellow black k -{/ _cf astore pop/_fc
{ _lp /fill ne { _of setoverprint _cf aload pop setcmykcolor /_lp
/fill ddef } if} ddef/_pf{ _fcfill} ddef/_psf{ _fcashow} ddef/_pjsf{ _fcwidthshow
} ddef/_lp /none ddef} def/K % cyan magenta yellow black
K -{/ _cs astore pop/_sc{ _lp /stroke ne { _os setoverprint _cs aload pop
setcmykcolor /_lp /stroke ddef } if} ddef/_ps{ _scstroke} ddef/_pss{ _scss}
ddef/_pjss{ _scjss} ddef/_lp /none ddef} def/x % cyan
magenta yellow black name gray x -{/ _gf exch ddeffindcmykcustomcolor/_if exch
ddef/_fc{ _lp /fill ne { _of setoverprint _if _gf 1 exch sub
setcustomcolor /_lp /fill ddef } if} ddef/_pf{ _fcfill} ddef/_psf{ _fcashow}
ddef/_pjsf{ _fcwidthshow} ddef/_lp /none ddef} def/X %
cyan magenta yellow black name gray X -{/ _gs exch ddeffindcmykcustomcolor/_is
exch ddef/_sc{ _lp /stroke ne { _os setoverprint _is _gs 1 exch sub
setcustomcolor /_lp /stroke ddef } if} ddef/_ps{ _scstroke} ddef/_pss{ _scss}
ddef/_pjss{ _scjss} ddef/_lp /none ddef} def% locked object operator/A
% value A -{pop} defcurrentdict readonly pop endsetpacking%
annotate page operator/annotatepage{ } def%%EndResource%%EndProlog%%BeginSetup%
%IncludeFont: Times-BoldAdobe_cmykcolor /initialize get execAdobe_cshow
/initialize get execAdobe_customcolor /initialize get exec
Adobe_typography_AI3 /initialize get execAdobe_IllustratorA_AI3 /initialize get
exec[39/quotesingle 96/grave
128/Adieresis/Aring/Ccedilla/Eacute/Ntilde/Odieresis/Udieresis/aacute/agrave/aci
rcumflex/adieresis/atilde/aring/ccedilla/eacute/egrave/ecircumflex/edieresis/iac
ute/igrave/icircumflex/idieresis/ntilde/oacute/ograde/ocircumflex/odieresis/otil
de/uacute/ugrave/ucircumflex/udieresis/dagger/degree/cent/sterling/section/bulle
t/paragraph/germandbls/registered/copyright/trademark/acute/dieresis/.notdef/AE/
Oslash/.notdef/plusminus/.notdef/.notdef/yen/mu/.notdef/.notdef
/.notdef/.notdef/.notdef/ordfeminine/ordmasculine/.notdef/ae/oshlash/questiondown
/exclamdown/logicalnot/.notdef/florin/.notdef/.notdef/guillemotleft/guillemotrig
ht/ellipsis/.notdef/Agrave/Atilde/Otilde/OE/oe/endash/emdash/quotedblleft/quoted
blright/quoteleft/quoteright/divide
/.notdef/ydieresis/Ydieresis/fraction/currency/guilsinglleft/guilsinglright/fi/f
l/daggerdbl/periodcentered/quotesinglbase/quotedblbase/perthousand/Acircumflex/E
circumflex/Aacute/Edieresis/Egrave/Iacute/Icircumflex/Idieresis/Igrave/Oacute/Oc
ircumflex/.notdef/Ograve/Uacute/Ucircumflex/Ugrave/dotlessi/circumflex/tilde/mac
ron/breve/dotaccent/ring/cedilla/hungarumlaut/ogonek/caronTE%AI3_BeginEncoding:
_Times-Bold Times-Bold[/_Times-Bold/Times-Bold 0 0 1 TZ%AI3_EndEncoding TrueType
%%EndSetup0 Au0 01 g0 R0 1 0.6 0.35 K0 i 0 J 0 j 4.2472 w 4 M []0 d%AI3_Note:0 D
193 310.7628 m256.0575 310.7628 307.1774 361.8817 307.1774 424.9407 C307.1774
501.0594 L307.1774 564.1181 256.0575 615.2373 193 615.2373 C193 615.2373 L
129.9425 615.2373 78.8226 564.1181 78.8226 501.0594 C78.8226 424.9407 L78.8226
361.8817 129.9425 310.7628 193 310.7628 C193 310.7628 Lbu0 1 0.6 0.35 k1 w
192.9572 320.9055 m251.8341 320.9055 299.5647 368.6352 299.5647 427.5135 C
299.5647 498.5854 L299.5647 557.4635 251.8341 605.1933 192.9572 605.1933 C
192.9572 605.1933 L134.0804 605.1933 86.3497 557.4635 86.3497 498.5854 C86.3497
427.5135 L86.3497 368.6352 134.0804 320.9055 192.9572 320.9055 C192.9572
320.9055 Lf192.9572 463.0494 mFU1 g0 R0 1 0.6 0.35 K1.4157 w192.9572 526.8791 m
200.092 526.4593 203.8693 529.8168 y201.3511 567.5892 l203.8693 570.527 204.2889

```


576.8224 y204.2889 586.8952 192.9572 588.5738 y181.6255 586.8952 181.6255
576.8224 v182.0452 570.527 184.5634 567.5892 v182.0452 529.8168 l185.8225
527.2987 192.9572 526.8791 vbu0.7079 w184.7732 567.3795 m193.7966 558.7756
201.3511 567.7991 vB184.3536 559.4053 m201.9806 559.4053 lB183.5141 552.8999 m
202.4003 552.8999 lB183.3043 542.8273 m203.0298 542.8273 lB182.8846 535.9024 m
203.4496 535.9024 lBU1.4157 w192.5376 525.2003 m211.8434 525.2003 224.8539
546.1849 v218.9782 552.8999 221.4963 558.356 v224.8539 565.9104 231.569 564.2317
v237.025 563.3923 240.8022 559.1954 v239.5431 565.0711 262.2065 533.1744 v
268.0823 525.6199 275.6367 521.0034 v260.5278 515.1277 249.6158 533.5941 v
244.1597 542.8273 236.6053 548.2834 v221.916 513.4488 192.5376 513.0291 v
163.1591 512.6096 148.4698 548.2834 y140.9153 542.8273 135.4593 533.5941 y
124.5473 515.1277 109.4384 521.0034 y116.9929 525.6199 122.8685 533.1744 y
145.532 565.0711 144.2729 559.1954 y148.#####&#%### # 0501 563.3923 153.5062
564.2317 y160.2212 565.9104 163.5788 558.356 y166.0969 552.8999 160.2212
546.1849 y173.2317 525.2003 192.5376 525.2003 yb148.4698 542.4076 m135.879
528.9776 133.7806 522.2624 v129.1639 514.7079 121.1898 510.9308 v133.3609
501.2778 143.0138 519.3246 v145.9517 530.6562 153.9258 534.8533 v148.4698
542.4076 lb158.1227 528.5578 m150.5683 527.2987 146.791 512.1898 v143.4335
504.2156 135.4593 500.4384 v145.532 491.2052 154.7652 507.9929 v156.0243
517.6457 162.3197 523.1018 v158.1227 528.5578 lb169.4545 518.2753 m166.0969
519.3246 161.9 507.9929 v162.5295 503.3762 156.444 498.7597 v164.8378 489.5263
171.9726 503.7959 v172.3923 508.4125 177.0089 513.6587 v169.4545 518.2753 lb
237.025 542.4076 m249.6158 528.9776 251.7142 522.2624 v256.3308 514.7079 264.305
510.9308 v252.1339 501.2778 242.481 519.3246 v239.5431 530.6562 231.569 534.8533
v237.025 542.4076 lb227.372 528.5578 m234.9265 527.2987 238.7038 512.1898 v
242.0613 504.2156 250.0355 500.4384 v239.9628 491.2052 230.7296 507.9929 v
229.4705 517.6457 223.1751 523.1018 v227.372 528.5578 lb216.0403 518.2753 m
219.3979 519.3246 223.5948 507.9929 v222.9653 503.3762 229.0508 498.7597 v
220.657 489.5263 213.5222 503.7959 v213.1025 508.4125 208.4859 513.6587 v
216.0403 518.2753 lb181.6255 512.6096 m182.4649 510.9308 192.7474 510.0914 y
192.5376 439.3731 l180.996 439.1632 l181.6255 512.6096 lb204.9185 512.6096 m
204.0791 510.9308 193.7966 510.0914 y194.0065 439.3731 l205.548 439.1632 l
204.9185 512.6096 lb183.5141 414.4013 m190.6489 417.9687 192.7474 417.5491 y
192.7474 407.4765 l183.724 405.1681 180.996 404.119 y180.996 409.7847 l181.4157
413.7718 183.5141 414.4013 Vb203.0298 408.9454 m203.0298 419.018 l202.1905
420.4869 194.0065 417.9687 V194.0065 407.4765 l196.5246 408.3159 203.0298
408.9454 vb192.7474 376.2093 m192.9572 386.4918 l188.7603 386.4918 181.6255
383.3441 V181.6255 373.4813 l186.6619 374.3208 192.7474 376.2093 vb203.0298
380.4062 m203.0298 387.9608 l200.7216 388.1707 194.0065 386.7016 V194.0065
376.4192 l199.4625 378.5177 203.0298 380.4062 vbu141.335 485.3294 m155.6046
497.9203 167.7757 483.6506 v173.2317 482.8114 l171.5529 481.1325 172.3923
478.1947 v168.1954 477.7749 l153.9258 466.0235 143.0138 479.4537 v125.3867
476.5159 124.1276 459.7283 v125.8064 440.0027 179.1074 438.7435 v164.8378
432.8679 160.6409 424.0543 v114.8944 429.93 109.8581 454.6918 v105.6611 481.972
141.335 485.3294 vb161.9 481.1325 m164.8378 482.3916 l159.8015 484.0704 l161.9
481.1325 lbU191.6982 438.114 m207.4366 437.9041 l260.7376 439.1632 262.4164
458.8889 y261.1573 475.6765 243.5302 478.6143 y232.6182 465.1842 218.3487
476.9356 y214.1517 477.3553 l214.9911 480.2931 213.3124 481.972 y218.7683
482.8114 l230.9394 497.0809 245.209 484.49 y280.8829 481.1325 276.686 453.8526 y
271.6496 429.0906 225.9031 423.2149 y200.9314 421.3264 187.2914 418.1786 y
174.4908 414.4013 177.8483 403.4893 y169.8741 403.2796 165.0477 396.9841 y
154.1357 404.119 159.8015 419.4377 y167.6707 434.1425 180.7862 437.2747 y
187.9209 438.3238 191.6982 438.114 vb224.8539 481.1325 m221.916 482.3916 l
226.9524 484.0704 l224.8539 481.1325 lb209.745 419.4377 m212.6828 407.2666
199.2526 406.847 v178.268 403.9091 171.5529 399.7122 v160.6409 393.8365 163.1591
382.5047 v162.7394 377.6782 169.8741 370.9631 v175.9597 372.432 l169.0347
379.9866 179.1074 384.6031 v187.5012 388.8002 208.0662 389.2198 v226.9524
390.0592 226.9524 406.4272 v228.6311 413.5621 223.1751 419.8574 v209.745
419.4377 lb208.6957 387.1213 m218.9782 388.5903 222.1259 392.1576 v226.7425
380.826 216.8797 372.2222 v203.4496 363.1988 177.6385 361.5202 v166.7264 362.989
156.2341 354.5951 v152.247 367.8154 180.3665 371.8025 v207.2268 374.7404
208.6957 387.1213 vb192.7474 361.5202 m186.0323 360.6808 182.6748 360.6808 v

182.8846 346.8309 192.7474 339.2763 v192.7474 361.5202 lb194.4262 361.9398 m
200.5117 363.1988 204.7086 365.2973 v204.2889 346.8309 194.4262 339.2763 v
194.4262 361.9398 lb205.9677 362.3594 m206.5973 362.3594 206.5973 365.2973 v
212.0533 367.3959 216.0403 370.3336 v233.4576 360.261 231.569 348.2998 v213.732
362.1497 205.9677 362.3594 vbUuu0 0 1 0 k1 w277 409 m292 404 298 408 303 400 c
308 392 292 357 305 341 c318 325 314 334 330 322 c346 310 328 296 374 292 c420
288 428 311 440 318 c452 325 458 359 460 373 c462 387 447 394 463 396 c479 398
472 401 481 405 c490 409 477
440 494 403 c511 366 509 359 508 347 c507 335 477 290 469 281 c461 272 422 259
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328 c265 343 254 357 264 376 c274 395 277 409 yfu298.5 456 m294 461.5 290.5 452
290 464 c289.5 476 355 530 360.5 532 c366 534 437 515 442 513.5 c447 512 481.5
473 481.5 469.5 c481.5 466 479.5 460 477 458.5 c474.5 457 474.5 455 470.5 455.5
c466.5 456 422 480 413 484 c404 488 382.5 492.5 366.5 483.5 c350.5 474.5 332.5
476 321.5 470 c310.5 464 298.5 456 yfU0 R0 1 0.6 0.35 K1.875 w301.1875 323.5312
m300.7187 467.9062 l384.1562 515.7187 l467.125 468.375 l467.125 324 l384.1562
273.8437 l301.1875 323.5312 lbu1 g1 w462.9764 465.1173 m384.1562 510.0937 L
305.3361 465.1173 L305.3361 326.5552 L384.1562 279.3523 L462.9764 326.5552 L
462.9764 465.1173 LbU0 0 1 0 k277 409 mF0 g0 R1 G1.875 w383.9219 247.5937 m
378.2774 247.5937 375.9531 246.8906 y353.4531 238.2187 329.5469 243.375 y
304.8126 246.0956 279.1562 265.1719 y253.6094 287.2031 244.4687 314.8594 y236.5
350.0156 239.7812 366.8906 y240.9531 394.5469 260.6406 418.6875 y263.4531
423.1406 269.7812 424.3125 272.125 424.3125 c276.1163 424.3125 278.9219 423.6094
283.6094 417.5156 c288.2969 411.4219 285.9531 401.5781 y256.4219 377.4375
271.6562 324 y283.6094 294.2344 310.0937 280.4062 y346.4219 260.25 377.8281
277.3594 y383.9219 273.8437 L390.0156 277.3594 l421.4219 260.25 457.75 280.4062
v484.2344 294.2344 496.1875 324 v511.4219 377.4375 481.8906 401.5781 v479.5469
411.4219 484.2344 417.5156 v488.9219 423.6094 491.7274 424.3125 495.7187
424.3125 c498.0625 424.3125 504.3906 423.1406 507.2031 418.6875 c526.8906
394.5469 528.0625 366.8906 v531.3437 350.0156 523.375 314.8594 v514.2344
287.2031 488.6875 265.1719 v463.0311 246.0956 438.2969 243.375 v414.3906
238.2187 391.8906 246.8906 v390.25 247.5937 383.9219 247.5937 vb2 To1.875 0 0
1.875 -342 1044 21.016 Tp0 1 0.6 0.35 k0 0 1 0 K391.8906 246.8906 m414.3906
238.2187 438.2969 243.375 y463.0311 246.0956 488.6875 265.1719 y514.2344
287.2031 523.375 314.8594 y531.3437 350.0156 528.0625 366.8906 y526.8906
394.5469 507.2031 418.6875 y504.3906 423.1406 498.0625 424.3125 495.7187
424.3125 c491.7274 424.3125 488.9219 423.6094 484.2344 417.5156 c479.5469
411.4219 481.8906 401.5781 y511.4219 377.4375 496.1875 324 y484.2344 294.2344
457.75 280.4062 y421.4219 260.25 390.0156 277.3594 y383.9219 273.8437 L377.8281
277.3594 l346.4219 260.25 310.0937 280.4062 v283.6094 294.2344 271.6562 324 v
256.4219 377.4375 285.9531 401.5781 v288.2969 411.4219 283.6094 417.5156 v
278.9219 423.6094 276.1163 424.3125 272.125 424.3125 c269.7812 424.3125 263.4531
423.1406 260.6406 418.6875 c240.9531 394.5469 239.7812 366.8906 v236.5 350.0156
244.4687 314.8594 v253.6094 287.2031 279.1562 265.1719 v304.8126 246.0956
329.5469 243.375 v353.4531 238.2187 375.9531 246.8906 v378.2774 247.5937
383.9219 247.5937 v390.25 247.5937 391.8906 246.8906 ybTP0.7651 -1.7118 1.7118
0.7651 244.1728 314.9187 Tm2 Tr0 0 1 0 k0 1 0.6 0.35 K0.25 w/_Times-Bold 12 Tf4
Ts100 Tz200 Tt0 TA0 0 5 TC100 100 200 TW0 0 0 Ti0 Ta0 Tq0 0 TL2.4 Tc0 Tw(F) Tx
1.0701 -1.5396 1.5396 1.0701 253.669 295.2417 Tm(0) Tx 1.3547 -1.2963 1.2963
1.3547 268.8728 274.7966 Tm(R) Tx 1.7241 -0.7371 0.7371 1.7241 299.0728 252.9703
Tm(T) Tx 1.8056 -0.4167 0.4167 1.8056 321.1293 245.3089 Tm(H) Tx 1.8668 0.1755
-0.1755 1.8668 348.1103 241.5519 Tm(E) Tx 1.8693 -0.1455 0.1455 1.8693 407.5047
242.6145 Tm(S) Tx 1.8412 0.3544 -0.3544 1.8412 429.2836 241.6239 Tm(O) Tx 1.727
0.7301 -0.7301 1.727 454.5364 246.9104 Tm(L) Tx 1.5886 0.996 -0.996 1.5886
474.8654 256.1845 Tm(####&#%## # D) Tx 1.2725 1.377 -1.377 1.2725 495.2875
271.195 Tm(I) Tx 1.0514 1.5525 -1.5525 1.0514 505.8884 283.1495 Tm(E) Tx 0.7422
1.7218 -1.7218 0.7422 518.231 302.4625 Tm(R) Tx (FOR THE SOLDIER) TX(\r) TX
TOu0 1 0.6 0.35 k1 w384.1562 279.3523 m305.3361 326.5552 l359.7812 400.4062
305.3361 465.1173 y384.1562 510.0937 L462.9764 465.1173 l408.5312 400.4062
462.9764 326.5552 v384.1562 279.3523 Lfu1 g0 R0 1 0.6 0.35 K0.938 w392.8281
414.3516 m392.9453 418.2187 l443.9219 438.8437 l450.7187 442.125 449.7812
448.4531 y448.1406 453.8437 443.4531 455.25 y439 458.5312 426.8125 455.4844 y

422.3594 453.8437 420.7187 454.0781 y420.7187 456.4219 425.4062 456.8906 v
428.0652 457.1565 425.1719 457.8281 y412.9844 455.4844 411.3437 456.1875 y
412.2812 466.0312 431.5 466.0312 y450.25 464.1562 453.7656 452.2031 y457.0469
438.8437 444.1562 431.3437 y398.5703 412.2422 l392.8281 414.3516 lbu1.875 w
398.4304 439.6657 m399.7889 439.6657 400.8899 440.7667 400.8899 442.125 C
400.8899 442.125 L400.8899 443.4832 399.7889 444.5842 398.4304 444.5842 C369.882
444.5842 L368.5236 444.5842 367.4226 443.4832 367.4226 442.125 C367.4226 442.125
L367.4226 440.7667 368.5236 439.6657 369.882 439.6657 C398.4304 439.6657 Lf
384.1562 442.125 mFUu395.5755 434.2982 m396.6623 434.2982 397.5432 435.179
397.5432 436.2656 C397.5432 436.2656 L397.5432 437.3522 396.6623 438.233
395.5755 438.233 C372.7367 438.233 L371.6502 438.233 370.7693 437.3522 370.7693
436.2656 C370.7693 436.2656 L370.7693 435.179 371.6502 434.2982 372.7367
434.2982 C395.5755 434.2982 Lf384.1562 436.2656 mFU0 1 0.6 0.35 k1 w442.8672
454.4297 m443.1016 439.5469 l448.4922 440.6016 448.9609 447.3984 v448.7266
452.7891 442.8672 454.4297 vf1 g1.875 w383.9219 301.2656 m382.8672 301.1484
382.75 302.4375 y375.25 426.6562 375.0156 429.4687 v374.7812 432.2812 372.6719
432.9844 y383.9219 432.9844 l395.1719 432.9844 l393.0625 432.2812 392.8281
429.4687 v392.5937 426.6562 385.0937 302.4375 y385.0866 301.395 383.9219
301.2656 vfu0 R0 1 0.6 0.35 K0.938 w375.9531 432.9844 m378.5312 432.2812
378.7656 430.875 v379 429.4687 383.6875 309.2344 ySU383.9219 432.9844 m384.3906
309.2344 l389.0781 429.4687 389.3125 430.875 v389.5469 432.2812 392.125 432.9844
yS0 01 g420.9531 385.4062 m425.4062 387.2812 426.1094 391.2656 y426.8125
400.6406 417.4375 404.625 y324.1562 438.8437 l317.3594 442.125 318.2969 448.4531
y319.9375 453.8437 324.625 455.25 y329.0781 458.5312 341.2656 455.4844 y345.7187
453.8437 347.3594 454.0781 y347.3594 456.4219 342.6719 456.8906 v340.0129
457.1565 342.9062 457.8281 y355.0937 455.4844 356.7344 456.1875 y355.7969
466.0312 336.5781 466.0312 y317.8281 464.1562 314.3125 452.2031 y311.0312
438.8437 323.9219 431.3437 y415.3281 397.125 l418.8437 396.1875 418.8437 391.5 v
418.8437 387.75 412.75 384.9375 v390.1328 372.8672 l390.0156 370.4062 l391.7734
369.9375 l420.9531 385.4062 lb0 1 0.6 0.35 k1 w325.6797 454.4297 m325.4453
439.5469 l320.0547 440.6016 319.5859 447.3984 v319.8203 452.7891 325.6797
454.4297 vfu418.8437 460.3494 m419.3929 460.3494 419.838 460.7945 419.838
461.3437 c419.838 461.8929 419.3929 462.338 418.8437 462.338 c418.2946 462.338
417.8494 461.8929 417.8494 461.3437 c417.8494 460.7945 418.2946 460.3494
418.8437 460.3494 cf418.8437 461.3437 mFUu1 g0 R1 G0.25 w409.6203 451.89 m
409.3716 451.1443 409.8546 450.7826 409.9375 451.0312 c410.0204 451.2799
410.6832 451.9427 y419.9312 455.7952 L410.2891 452.5547 l409.1172 452.4097
409.1172 452.6719 v409.1172 451.5 409.8299 451.7852 409.6203 451.89 CbUu0 1 0.6
0.35 k1 w349.5374 460.3494 m348.9882 460.3494 348.543 460.7945 348.543 461.3437
c348.543 461.8929 348.9882 462.338 349.5374 462.338 c350.0866 462.338 350.5317
461.8929 350.5317 461.3437 c350.5317 460.7945 350.0866 460.3494 349.5374
460.3494 cf349.5374 461.3437 mFUu1 g0 R1 G0.25 w358.7609 451.89 m359.0095
451.1443 358.5265 450.7826 358.4436 451.0312 c358.3607 451.2799 357.6979
451.9427 y348.4499 455.7952 L358.0921 452.5547 l359.2639 452.4097 359.2639
452.6719 v359.2639 451.5 358.5512 451.7852 358.7609 451.89 CbU0 1 0.6 0.35 K
0.938 w388.1536 347.7168 m399.4191 353.9327 l402.6754 355.4355 402.3477 358.4942
y402.3477 360.999 400.4689 361.5 y346.9142 385.4062 l342.4611 387.2812 341.758
391.2656 y341.0549 400.6406 350.4299 404.625 y371.7045 412.4194 l375.3672
411.1875 l375.5547 405.7513 l352.5392 397.125 l349.0236 396.1875 349.0236 391.5
v349.0236 387.75 355.1174 384.9375 v402.0167 364.4413 l406.9337 362.3238 406.558
357.3142 v406.1822 355.185 403.6855 353.9488 v387.9754 345.2139 l388.1536
347.7168 lb394.8627 338.811 m391.7912 340.3376 l363.9415 354.1831 l361.5619
355.185 361.1862 357.3142 y360.8104 362.3238 365.7274 364.4413 y377.9671 370.119
l378.0289 366.3784 l367.2752 361.5 l365.3967 360.999 365.3967 358.4942 v365.0687
355.4355 368.325 353.9327 v392.7156 341.9966 l395.7332 340.4654 l401.5 338.6484
401.1484 333.7266 v400.7969 328.8047 386.5 316.5 y386.5 317.5547 l397.9844
331.3828 397.9844 332.2031 v397.9844 333.0234 398.4531 333.6094 397.9844
335.0156 c397.5156 336.4219 394.8627 338.811 yb379.6982 344.4575 m372.2277
341.2154 l366.4609 338.6484 366.8125 333.7266 v367.1641 328.8047 381.4609 316.5
y381.4609 317.5547 l369.9766 331.3828 369.9766 332.2031 v369.9766 333.0234
369.5078 333.6094 369.9766 335.0156 c370.4453 336.4219 373.0982 338.811 y
379.6853 342.3298 l379.6982 344.4575 lb0 0 1 0 k371.5 445.875 m395.875 445.875 l

397.75 451.5 394.4687 455.25 v391.1875 459 393.5312 463.2187 395.875 463.2187 c
394 464.625 391.6562 463.2187 v397.2812 472.125 390.0156 478.4531 v391.1875
475.875 390.25 474.7031 v386.9687 474 386.5 471.6562 v388.8437 485.4844 380.6406
487.5937 v382.75 485.4844 382.0469 483.8437 v377.3594 480.7969 377.3594 477.9844
v374.7812 472.3594 377.125 466.2656 v376.1875 468.6094 373.8437 468.8437 v371.5
469.0781 377.8281 465.5625 374.3125 461.3437 c368.6875 456.1875 371.5 445.875 vb
373.375 446.1094 m374.6611 454.2238 377.8281 455.0156 v381.5781 455.9531
384.8594 460.1719 377.3594 466.0312 cB394.2344
445.875 m396.3437 448.6875 390.0156 449.625 v386.7344 452.6719 385.3281
457.8281 v384.1499 462.1481 383.6875 463.9219 386.5 471.8906 cBu1.875 w383.9219
515.4844 m467.125 467.9062 l466.8906 442.5937 l480.7187 447.2812 467.8281
468.375 v456.1094 488.5312 434.3125 501.4219 v407.8281 516.8906 384.1562 517.125
vB391.6562 511.0312 m392.8281 516.4219 lB403.375 504.2344 m405.25 513.8437 lB
411.8125 499.5469 m414.1562 510.7969 lB420.4844 494.625 m423.2969 507.0469 lB
427.2812 490.6406 m432.9062 502.125 lB434.0781 486.6562 m441.1094 496.7344 lB
442.0469 482.2031 m449.5469 489.9375 lB452.3594 476.1094 m458.6875 480.7969 lBUu
383.9219 515.4844 m300.7187 467.9062 l300.9531 442.5937 l287.125 447.2812
300.0156 468.375 v311.7344 488.5312 333.5312 501.4219 v360.0156 516.8906
383.6875 517.125 vB376.1875 511.0312 m375.0156 516.4219 lB364.4687 504.2344 m
362.5937 513.8437 lB356.0312 499.5469 m353.6875 510.7969 lB347.3594 494.625 m
344.5469 507.0469 lB340.5625 490.6406 m334.9375 502.125 lB333.7656 486.6562 m
326.7344 496.7344 lB325.7969 482.2031 m318.2969 489.9375 lB315.4844 476.1094 m
309.1562 480.7969 lBUu378.2969 277.3594 m301.1875 323.7656 l301.1875 408.0234 L
292.2761 401.3545 287.845 413.068 v285.4058 419.5163 276.8125 421.7344 y280.7969
418.5703 284.053 412.4396 285.25 406.1484 c285.894 402.7636 286.9243 398.0736 Y
269.8465 390.5641 270.7187 349.7812 v271.5807 309.4671 302.5937 289.3125 y
322.2812 272.9062 348.0625 273.375 v364 272.9062 375.25 279.4687 vBuu301.1875
381.8906 m274.2344 377.9062 lB301.1875 372.75 m271.4219 363.8437 lB301.1875
361.0312 m270.9531 349.3125 lBU301.1875 349.7812 m272.8281 334.7812 lB301.4219
337.5937 m277.0469 321.1875 lB301.1875 323.7656 m283.8437 309.4687 lB310.5625
318.1406 m292.0469 298.6875 lB318.7656 313.2187 m301.8906 290.0156 lBU328.6094
307.125 m312.9062 282.75 lB337.2812 301.9687 m326.0312 277.125 lB347.3594
295.875 m339.1562 273.8437 lB355.3281 291.8###&#%#'^21875 m352.5156 273.375 lB
364.2344 285.7969 m363.2969 275.0156 lBUUU301.1875 387.0469 m290.9194 385.7837
287.0415 397.8392 VBUU0 1 0.6 0.35 k0 0 1 0 K383.9219 519.3516 m395.4062
519.7031 409 515.0156 v426.8125 509.3906 441.8125 499.5469 v458.6875 487.3594
464.3125 477.5156 v469.4687 472.3594 474.1562 459.7031 v476.9687 451.7344
473.6875 447.0469 v478.3017 452.0117 479.0781 459 v479.5469 463.2187 481.1875
463.9219 y485.4062 466.9687 486.3437 467.6719 v489.3906 473.2969 488.4531
477.2812 v487.1057 486.3261 485.4062 489.9375 v483.5312 493.9219 482.3594
497.2031 476.0312 504.4687 c467.3507 513.4816 461.2656 517.8281 v454.7031
522.5156 446.9687 528.8437 432.2031 536.1094 c421.6562 541.5 410.875 542.9062 v
395.1719 545.8359 383.9219 545.6016 v372.6719 545.3672 356.9687 543.1406 y
346.1875 541.7344 335.6406 536.3437 y320.875 529.0781 313.1406 522.75 306.5781
518.0625 c300.4931 513.716 291.8125 504.7031 y285.4844 497.4375 284.3125
494.1562 282.4375 490.1719 c280.738 486.5605 279.3906 477.5156 y278.4531
473.5312 281.5 467.9062 y282.4375 467.2031 286.6562 464.1562 y288.2969 463.4531
288.7656 459.2344 v289.5421 452.2461 294.1562 447.2812 y290.875 451.9687
293.6875 459.9375 y298.375 472.5937 303.5312 477.75 y309.1562 487.5937 326.0312
499.7812 y341.0312 509.625 358.8437 515.25 y372.4375 519.9375 383.9219 519.3516
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22.5 Tf0 Ts1 Ta4.4999 Tc(R) Tx 0.8828 0.4697 -0.4697 0.8828 329.5515 509.0582 Tm
(E) Tx 0.956 0.2934 -0.2934 0.956 346.2582 517.4211 Tm(S) Tx 0.9942 0.1078
-0.1078 0.9942 361.8385 521.9442 Tm(E) Tx 0.9963 -0.086 0.086 0.9963 380.4466
523.6287 Tm(A) Tx 0.965 -0.2621 0.2621 0.965 400.3189 521.5406 Tm(R) Tx 0.9098
-0.4151 0.4151 0.9098 419.5919 515.9636 Tm(C) Tx 0.8288 -0.5595 0.5595 0.8288
437.8018 507.3714 Tm(H) Tx (RESEARCH) TX(\r) TX T00 1 0.6 0.35 k298.5 456 mF0 To
1 0 0 1 326 254.5 0 TpTP2 Tr0 R0 0 1 0 K0.25 w7.5 Ts0 Ta(\r) TX T0u0 0 1 0 k0 1
0.6 0.35 K1.875 w377.5625 277.8125 m383.9219 273.8437 l390.0156 277.3594 l
467.125 323.7656 l467.125 408.0234 L476.0364 401.3545 480.4675 413.068 v482.9067
419.5163 491.5 421.7344 y487.5156 418.5703 484.2595 412.4396 483.0625 406.1484 c

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#Fk#####j##Fkj jFk####k#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj#####k#j#F#####j##Fkj jF
k#j##Fkj jFk#j###j##Fkj jF##j##Fkj jFk#j####Fkj jFk#j#
Fkj jFkj#Fk#j#####jFk##j##Fkj jF#####Fkj jFkj#####j##Fkj jFk#j##Fkj jFk#j##Fkj jF###y###

###jFkj###k#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj#####j##Fkj jFk###j##Fkj jFk#j##Fk#
#####k#j##Fkj jF#####k#j##Fkj j###j##Fkj jFk#j##Fkj j#####Fkj jFkj#####j##Fkj jFk#j##Fkj jF
k#j##Fkj jFk#j##Fkj jF#####jFkj#####j##Fkj jFk#j##Fkj jFkj#####k#j##Fk#jFk#j##Fkj jF##
###Fkj j###j##Fkj jFk#j##Fkj jF##j##Fk#####k#j##Fkj jFk#j#####jFk##j#F#####jFk##j##Fkj
jFk#j##Fkj jFk#j##Fk#####{###

[illegible]

jkjkjkjkjk#####jkjkjkjkj#####

j kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj k#####kj kj k#####kj kj kj kj kj kj k#####kj kj #####

j kj kj kj kj k#####kj kj k#kj kj kj kj kj kj k#kj k#####

kjkjkjkjkjkj####jkjkj#jkjkjkjkjkjkjkjkjkjkjkj####|###
###Fkj j###j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jF#####Fkj jFk j# ###Fkj jFk#j#F
##j##Fkj jFk#j#F####k#j##Fkj jFk j#####Fkj jFk#j##Fk#####j##Fkj jFk
###Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j###j##Fk#####k#j##Fkj jFk#j##Fkj jF####
#jFk##j##Fkj jF#####Fkj j#k#j##Fkj jFk#j#
Fkj jFk#jF#####Fkj jFk#j##Fkj j#####jF#####k#j##Fkj jFk#j##Fkj jFk#j##Fk####~###
##j##Fk#####Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j
##j##Fkj jFk ###jFk##j##Fk#####j##Fkj jFk#j##Fkj jFk#j##Fk#####jFk##j##Fkj jFk j#

[illegible]

##k#j##Fkj j Fk#j##Fkj j Fk#j##Fkj j Fk#j##Fkj j Fk#j##Fkj j Fk#j##Fkj j F#####Fkj j F#

[illegible]

[illegible]

###jFk##j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j###j##Fkj#;#####kj####[]#####j#
#Fk#####k#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j#F

##k#j##Fkj# ###FkjjFk#j##FkjjFk#j##FkjjFk#j###j##FkjjFk#j##FkjjFk#j##FkjjF#
##j##Fkjj

###Fkj j Fk#j ###Fkj j Fk#j ###Fkj j Fk#j ###Fkj j F#####Fkj j G###§#####kj kj k####
%jkj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj #

###kj kj

[illegible]

###j k j k

##

```
%jkjkkkjkkkjkkkjkkkjkkkjkkkjkkkjkkj#####jkjkkjR###µ#####j##Fkjj####j##FkjjFk#  
j##FkjjFk#j##FkjjFk#j##FkjjFk#j##FkjjFk#
```

###jFk#
###FkjjFk#j##FkjjFk#j##FkjjFk#j###j##FkjjFk#j##FkjjFk#j##FkjjF#
###jFk#

##j##Fkj j Fk#j##Fkj j Fk#j##Fkj j Fk#j##Fkj j Fk#j##Fkj j #####Fk##jÿ#

#####k#j##Fk#####k#j##FkjjFk#j##FkjjFk#j##FkjjFk#j##FkjjFk#j##Fk#####j

###jFk##j##FkjjFk#j##FkjjFk#j##Fk#####FkjjFk#j##FkjjFk#j##FkjjFk

[illegible]

[illegible][illegible][illegible][illegible][illegible][illegible]

```
##k#j##Fkj jFk#j##Fkj jFk#j##Fkj#####jFk##j##Fkj jFk#j##Fkj jFk#####j##Fkj jFk#####k#
j##Fkj jFk#j##Fkj jFk#####jF####Fkj jF#####jFk##j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##F
kj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jF#
```

[illegible]

####kj##

####j k j k j k j k j k j k j k j k

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

###kjkk####Gkjkjkkjk
jkjk#####jkjk####kjkk####
jkjkjkjkjk####jk###

[illegible]

[illegible]

[illegible]

[illegible]

###FkjjFk#j##FkjjFk#j##FkjjFk#j##FkjjFk#j##FkjjFk####jFk##j##FkjjFk#j##FkjjFk#j#
#FkjjFk#j##FkjjFk#j#F

###kj##

```
##F####Fk###b#####j kj k###) kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj k-  
###kj kj kj S##) j kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj #####j
```

[illegible][illegible]

```
###Fkj jFk#j#F7###Fkj jFk#j###Fkj jFk#j###Fkj jFk#j###Fkj jFk####k####k###j###Fkj  
jFk#j###Fkj jFk#j###Fkj jFk#j###Fkj jFk#j###Fkj jFk#j###Fkj####k#j###Fkj jFk#j###Fkj jFk#j###F  
kj jFk#j###Fkj jFk#j###Fkj jFk#j###Fk#####j###j###j c#####j kj k###  
%kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj k4##0j kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj  
kj kj kj kj kj k*##%j kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj####j  
###kj#####1j kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj####1kj kj kj kj kj kj kj k  
j kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj k#####kj##
```

[illegible][illegible]

```
# # j k l m n o p q r s t u v w x y z 0 1 2 3 4 5 6 7 8 9  
# # j k l m n o p q r s t u v w x y z 0 1 2 3 4 5 6 7 8 9
```

[illegible]

[illegible]

[illegible]

[illegible]

###Fk#####k###j##Fkj j Fk#j##Fkj j Fk#j##Fkj j Fk#j##Fkj j Fk#j##Fkj j Fk#j##Fkj
j Fk#j##Fkj #####k#j####j#Fk#####Fk#j##Fkj j Fk#j##Fkj j Fk#j##Fkj j Fk#j##Fkj j Fk#j##F
kj j Fk#j##Fkj j Fk#j##Fkj j Fk#j##Fk#####j###j

[illegible]

[illegible]

```
##Dkj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj k#k j k#k#k j###?
kj k#k j kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj k####k#####kj kj kj ##
##kj k#####j kj kj kj kj kj kj kj kj kj kj kj k##&####$##k#j##Fkj#
```

#####Fkj j Fk#j #####Fkj j Fk#j #####Fkj j Fk#j #####Fkj j Fk#j #####Fkj j Fk#j #####Fkj j Fk#j #####Fkj j Fk#j
j #####Fk#####Fkj #####k#j #####Fkj j Fk#j #####Fkj j Fk#j #####Fkj j Fk#j #####Fk#####k#j #####Fkj j F
k#j #####Fkj j Fk#j #####Fkj j Fk#j #####Fkj #####Fkj #####Fk#####k

[illegible]

[illegible]

jkjkjkjkjk###j####k#k####

[illegible]

[illegible]

[illegible][illegible][illegible]

##

[illegible][illegible]

[illegible]

[illegible]

[illegible]

kjkjkjkjkjkj####kjkjkjkjkjkjkjkjkjkjkjkjkjkjkjkjkj####k####kj#####

[illegible]


```
###jFk##j###k#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj  
jFk#j##Fkj jFk#j##Fkj jFk#j##F5##j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j###j##Fkj jFk#j##Fkj  
jFk#j##Fkj jFk#j##Fkj j#####jFk####j  
##j###j###j##Fkj jFk#j##Fkj jF#####jFk##j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j###j###  
k###k#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j#####jFk##j##Fkj jFk#j##Fk#####F####Fk##  
    ###Fkj#####jF#####Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk##-###
```

[illegible]

[illegible]

###Fkjj####jFk##j##FkjjFk#j##FkjjFk#j##FkjjFk#j##Fk####.#####j##Fk#####FkjjFk#
j##FkjjFk#j##FkjjFk#j##FkjjFk#j##FkjjFk#j##FkjjFk#j##FkjjFk#j##FkjjFk#j##FkjjFk#
j##FkjjFk#j##F5##j##FkjjFk#j##FkjjFk#j##FkjjF#####FkjjFk#j##FkjjFk#j##FkjjFk#j##F
kjjFk#j####jFk#

##j###j####jFk##j##Fkj jFk#j##Fkj#

[illegible]

###jkjkjkjkjkjkjkjkjkjk####k###k###k#####jkjkjkjkjkjkjkjkjkjk#

###jkjkjkjkjkjkjkjk####k####kj##

[illegible]

##j###j####jFk##j##Fkj jFk#j##Fkj j###j##Fkj jFk#j##Fkj jFk####kj#####j###j###j##Fkj
jFk#j##Fkj jFk####Fkj jFk#j##Fkj jFk#j##Fk#####F####Fk##

[illegible]

j k j k j k j k j k + ### k j k j k j k j k j k j k j k j k ##### k j k j k j k j k j k j k j k j k j k j k j k #
k j ##### j ##### j k j k j k j k j k j k j k j k ##### j k j k j k j k j k ##### j ### k ### k ##### k j k j k j k j k j k ##
j k j k j k j k j k j k j k j k j k ##### k ##### k j

[illegible]

###jFkj####FkjjF####j##FkjjFk#j##FkjjFk#j##FkjjFk#j##FkjjFk#j##FkjjFk#j##FkjjFk#
j##FkjjFkj#####kj#Fk##j##FkjjFk#j##FkjjFk#j##FkjjFk#j##FkjjFk#j##FkjjFk#j##FkjjF
k#j##FkjjFk####jFk##j###j#F
##j##Fk#####kj#####j##FkjjFk####k#j##Fk#####FkjjFk#j##+###V###jkjkjkjkjkjk0##
#jkjkjkjkjkjkjk

jkjkjk#k###

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible][illegible]

kjkjkjkj#####jkkjkjkjkjkjkjk#E###È#####j##Fkj jFk#j####jFk##j##Fkj jFk#j##Fkj jFk#j
##Fkj jFk#j##Fkj jFk#j
##k#j##Fkj jFk#j##Fkj jFk####Fkj jFk#j##Fkj jFk#j###
Fkj jFk#jFk#j##Fkj jFk#j ##k#j##Fkj jFk#j##Fkj jF#####Fk##j##Fkj jFk#j##Fkj j
##k#j##Fkj jFk#j##Fkj jFk#j####Fkj jFk#j####Fkj jFk#j##Fkj jFk##D###Ç#####jFk##j##Fk#
#Fkj #####j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk
###jFk##j##Fkj jFk#j#F#####Fkj jFk#j#F####Fkj jFk#j##Fkj jFk#j
###Fkj jFk#j#F###j#F
###jFk##j##Fkj jFk#j#F

##i##FkjiFkji##FkjiF####k#i##FkjiF####k#i##FkjiFk#i##FkjiF###C####E#####kjkjkik##

[illegible]

##j

##j ###kj#####Fkj jFk#j#F####Fkj jFk#j###j#####Fk##

###Fkj#####j##Fkj jFkj#####j##Fkj jFk#j##Fkj j#####Fkj jFk#j##Fkj jF##j##Fkj jFk##@###Ã##

###j kjkjkj####k#####jk#####kj kj#####jkjkjkjkjkjkjkjk#####jkjkjk#####kj#####kj##

###kj k#####jk#####kj kj k#####jkj#####jkjkj#####kj#####kj##

###kj#####kj#####jkjkjk###

jkjkjkjkjkjk####kjkjkjkjkjkjk####jkjkjkjk##?
###^#####Fkj jFk#j##Fkj j###F#####jFk##j#F#####Fkj jFk#j##Fkj jFk####Fkj jFkj#####Fkj ##
##j#F
###jF#####kj#####k#j#F#####jFk##j#F#####jFk##j####k#j#####Fk#####jFk#####k#j###j##F
kjj###j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##>###^#####k#j##Fkj jFk#j#
#Fkj#####Fkj jFkj#####k#j##Fkj jFk#j##Fkj #####k#j##Fk#####jF#####kj##
 ###kj#####jF#####k#j##Fk#####jFk##j##Fkj jF#####jFkj#####jF#####k#j

##k#j#####jFk#####j##Fkj#####k#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j#F#####k#jFk##j##Fkj ##
#=####^#####kjkjkjkjkjkjkjkjk####kjkjkjk####

jkjkjkjkjkjk####jkjk#####jkj#####jkj# ###jk##### jk##jkjkj####
 kjkjkjkjkjkjk#####kjkjk#####jk#####jk##

[illegible]

```
###kj#####jF###j##fK#####Fkj jFkj j##Fkj jFkj j###j##Fkj jF#####kj#####Fkj####jF
##j##Fkj#####Fkj jFkj j##Fkj jFkj j##Fkj jFkj#####Fk##j##Fkj jFkj j##<###¿#####kj##Fkj
jFkj j##Fkj jFkj j#####Fkj j#k#j##Fkj jFkj j###j##Fkj jF#
##jF#####Fk#####jF#####k#j##Fkj#####Fkj jFkj j##Fkj jFkj j##Fkj j###k#j##Fkj#####jF#
#####j
```

###Fk##

[illegible]

###kjk#####jkjkj#####jkjkjkjkjkjkjkjkjk#####jkjkjkjkjkjkjkjkjk###:###³/₄#####FkjjFk#
j##FkjjFk#j##FkjjFk#####jFk##j##FkjjFk#####jFkj#####Fkj#

###jFk#####kj#####Fk#####jFkj###k#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj#####k#j##Fk###
###jF#####k#j#####jF##

[illegible]

###jFk####k#j#F###j##FkjjFk#j###kj#####jFk##j##FkjjFk#j###kj jFkj###9###¹/₄#####kjk
jkjkjkjk#k#kjkjkjkjkjk####
jkjkjkjkjk####kjkj ###jkj#

###kj##

###jkj#####kj#jkjkj###!

kj kj kj kj kj kj kj kj kj kj kj kj kj kj kj k#####kj k#kj #####kj k#####kj k#
###kj kj k####

[illegible]

##j

###Fkjj####FkjjFk#j#F####k#j##FkjjFk#j##Fkjj####jFk##j##8###»####k#j##Fkjj#k#j###
#jFk##j##FkjjFk#j##Fkjj###k#j##Fk#####j#F

###kj##
##j#F#####Fkj jF#####j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#####Fk##j###
#Fk##
###kj#####jFk#
###jFkj#####Fkj jFk#j###j##Fkj jFk#j##Fkj j#####k#j##Fkj###7###°#####kj kj k#kj kj kj k##
###j kj kj kj kj kj kj k#####kj kj kj
###j kj #####j kj #####j kj k###+j kj
###j kj kj #####j kj #
###kj k#####kj k#####kj kj kj #####j kj kj kj k#kj kj kj kj kj kj k#####k#kj kj kj ##6###°####
Fkj jFk#jFk#j##Fkj j#####Fkj jFk#j##Fkj jFk#####jFk#####Fkj #
###Fkj#####j#####k#j#F#####jFk##j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##F
kj jFk#j#F#####jFkj#####jF##
###Fkj#####j#F

##k#j###j##Fk#####k#j##FkjjFk#j##FkjjFk#j##F####jF##jFk##j##6###¹#####k#j##Fkjj#k#
j##FkjjFk#j###j##FkjjFk#j##Fkj#####Fkj#####jFk#

##j#F####Fkj#
##k#j###kjjFk####jFk##j##FkjjFk#j##FkjjFk#j##FkjjFk#j##FkjjFk#j##FkjjFk#j##FkjjF
####j##Fkj#####kj##
##j####jFk#

##j#F###k#j#F####FkjjFk#j##FkjjFk#j##Fk#####jFk##j###kjjFkj###5###,#####kjkjk
j#jkjkjkjkjk#####jkjkjkjkjk#####jk#####kjk#

[illegible]

##k#j####jFkj###j##FkjjFk#j###kj####j##FkjjF#####jFk##j##4###·####k#j##FkjjFk###
#FkjjFk#j##Fkjj#k#j##FkjjFkj#####jFk# ###jFk#

##j#F####Fk#####j##Fkj#####Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj
jFk#j##Fkj jFk#j##Fkj j##k#j##Fk#####j#F
###jFk#

##j#F ##j#F####k#j##FkjFkj#####k#k##j##Fkj#####k#j##Fkj###3###¶####
kjkjkjkjkj####kjkjkjkjkjkjkjkjkjkjkj#####kjk#####kjk#

###j k j#

###kj k#####j kj k###?

###kj k#

###kj#####kj####

kjkjkjkjk#####kjkj#####kj#####kjkjkj##2###¶#####FkjjFk#j##Fk#####k#j##FkjjFk#j##
#kjjFk#j#F###k#j##k#j

###Fk##

###Fkj#####jFkj###k#j##FkjjFk#j##FkjjFk#j##FkjjFk#j##FkjjFk#j##FkjjFk#j##FkjjFk#
j##FkjjFk#j##FkjjFkj#####k#j#F###k#j
##j#F

##k#j

###Fkj#####jFk##j##Fkj j###j##Fkj j#####jFkj###k#j##Fkj j##2###μ#####k#j##Fkj jFk#j#F#
###Fkj jFk#j##F#j jFk#j##Fk#####j##Fk##

###jFk#

##j#F

###jF##jFk###j####k#j##Fkj j Fk#j##Fkj j Fk#j##Fkj j Fk#j##Fkj j Fk#j##Fkj j Fk#j##Fkj j Fk#j##Fkj j Fk#j##

#Fkj jFk#j##Fkj jFk#j##Fkj#####Fkj jF#####jF## ###jFk#

##j#F##j##Fk#####j#
Fkj jFkj#Fk#j##Fk##Fk#j#F####jFk##j##Fkj###2###μ####
kjkjkjkjkjkjk#####kjkjkj#jkjkjkjk#####jkjkjk###kjk#

###jkj#

[illegible]

###Fk##

```
####Fkj j###j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj#####k#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fkj jFk#j##Fk#####Fkj jF#   ##j#F
```

##k#j

###Fkj####k#j####Fkj jFk#j####kjjFk#j##Fkj jFk#j##Fkj jFk#j##1###
'####j##Fkj jFk#j##Fkj jF####k#j##Fkj jF####k#j####Fkj#

###jFk#

[illegible]

##j#F

##k#j####Fkj#####jFk##j##Fkj#Fk#j##Fkj jFk#j##Fkj jFk#j##Fk####0###
'#####jkjkkjkkjkkjkkjkkjkkjkkj#### jkkjkkjkkj#####kjkj####jkj#

###kj#

[illegible]

###kj k#####jkj#####kj kj kj kj#jk#kj kj kj kj kj kj kj kj k###0###³#####k#j##Fkj jFk#j##Fkj
jFk#j##Fkj jFk#j##Fkj#####jFkj###j#F

##k#j

###jFk####j#F####Fkj jFk#j####Fkj jFk#j##Fkj jFk#j##Fkj###/###³####j##Fkj jFk#j##Fkj
jFk#j##Fkj jFk#j##Fkj jFk####k#j ##k#j

###Fkj####j##Fkj j Fk#####jFk##j###Fkj j Fk#j###Fkj j Fk#j###Fkj j Fk#j###Fkj j Fk#j###Fkj j Fk####
j##Fkj j Fk#j###Fkj j Fk#j###Fkj j Fk#j###Fkj j Fk#j###Fkj j Fk#j###Fkj j Fk#j###Fkj j Fk#j###Fkj j Fk

##j#F####Fkj#
##k#j####jFk##j##Fkj#Fk#j##FkjjFk#j##Fkjj#k#j##Fk##/###²#####kjkjkjkjkjkjkjkjk
jkjkjkjkjkj####kjk#####kjk#####kjk#

[illegible]

##

[illegible]

#####'#####&#####&#####TNPP##

###&####ÿÿÿÿ#####à#`r####`#ÿ#

üññáá

#÷÷ff□□ÿ□□□□©©Y#####
#####

#####M#####I#####ÿÿÿÿ#####d#d#
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